

09/990187 c of c

PTO/SB/21 (09-04)

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TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	Patent#: 6,821,966	
	Filing Date	Issued: November 23, 2004	
	First Named Inventor	Sundee DUGAR	
	Art Unit	1624	
	Examiner Name	K. Habte	
Total Number of Pages in This Submission	17	Attorney Docket Number	219002029300

ENCLOSURES (Check all that apply)

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Request for Certificate of Correction (5 pages) Proposed Certificate of Correction (7 pages) Marked-up copy of corrected pages of Patent No. 6,821,966 (4 pages) Return Receipt Postcard
Remarks Customer No. 25225 Certificate of Correction OCT 18 2006		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	MORRISON & FOERSTER LLP		
Signature			
Printed name	Kate H. Murashige		
Date	October 11, 2006	Reg. No.	29,959

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I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the U.S. Postal Service on the date shown below with sufficient postage as First Class Mail, in an envelope addressed to: Attention: Certificate of Correction Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Dated: October 11, 2006

Signature:

(Judy Bridgwater)



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Dated: October 11, 2006

Signature:

Judy Bridgwater
Judy Bridgwater

Docket No.: 219002029300
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Letters Patent of:

Sundeep DUGAR et al.

Patent No.: 6,821,966

Issued: November 23, 2004

For: INHIBITORS OF P38 KINASE

REQUEST FOR CERTIFICATE OF CORRECTION PURSUANT TO 37 C.F.R. 1.322

Attention: Certificate of Correction Branch
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Upon reviewing the above-identified patent, Patentee noted typographical errors which should be corrected.

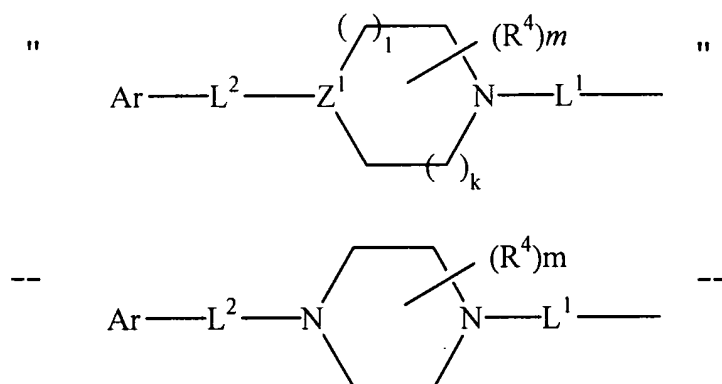
In the Claims:

In Claim 1, please make the following corrections:

At column 62, line 4:

alkyl-CONR₂, or "R³Si" --R₃Si--,

At column 62, line 10:



At column 62, line 22:

... CF₃, --R₃Si-- and ...

At column 62, line 42:

... SO₂, --H-- or ...

At column 62, line 43:

... alkenylene “(1-4AC)” --(1-4C)-- optionally

At column 62, line 50:

... “CF₃Si” --CF₃, R₃Si--, and

In Claim 2, please make the following corrections:

At column 62, line 65:

COR, or "R³Si" --R₃Si-- wherein ...

At Column 63, line 10:

OCONR₂, or "R³Si" --R₃Si-- wherein ...

In Claim 8, please make the following correction:

At Column 63, line 29:

... alkyl-CONR₂, or "R³Si" --R₃Si-- wherein

In Claim 22, please make the following correction:

At Column 63, line 57:

... at the "3-position" --**5-position**--.

In Claim 23, please make the following correction:

At Column 63, line 59:

CA or "CHA" --**CH¹A**--.

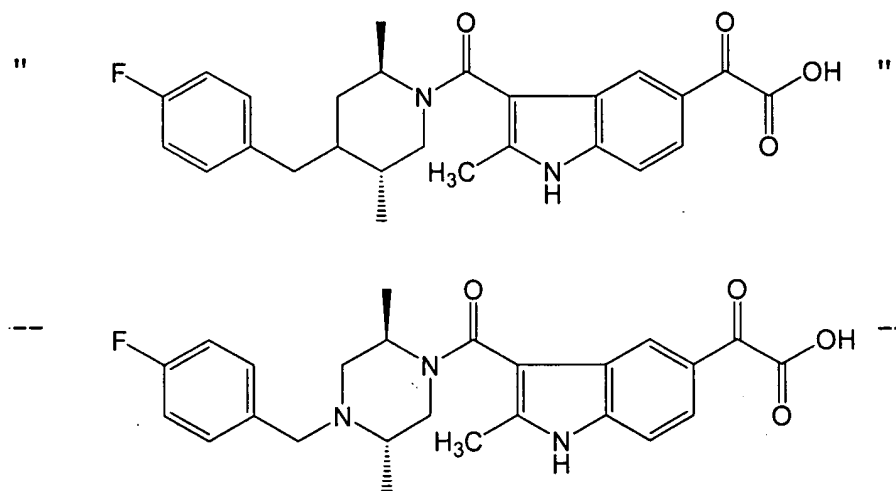
In Claim 25, please make the following correction:

At Column 63, line 67:

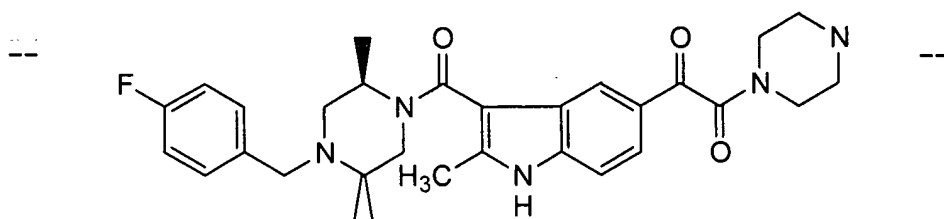
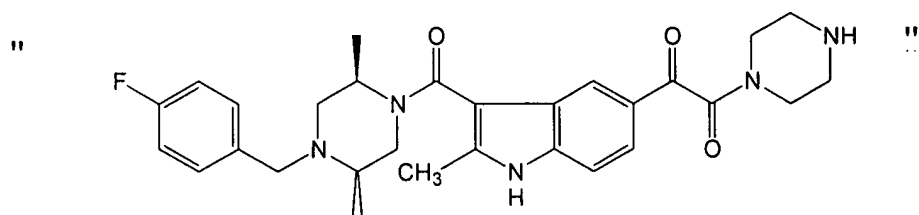
COOR, "alkyl-COR" --**alkyl-OOR**--, SO₃R, ...

In Claim 30, please make the following corrections:

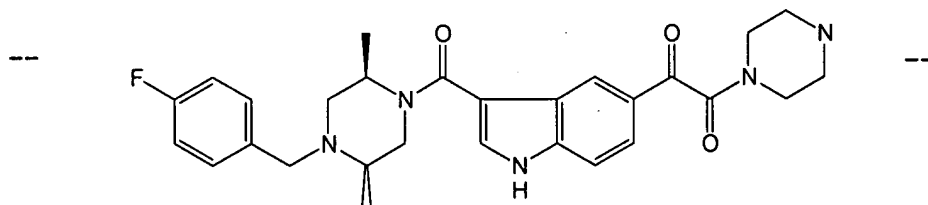
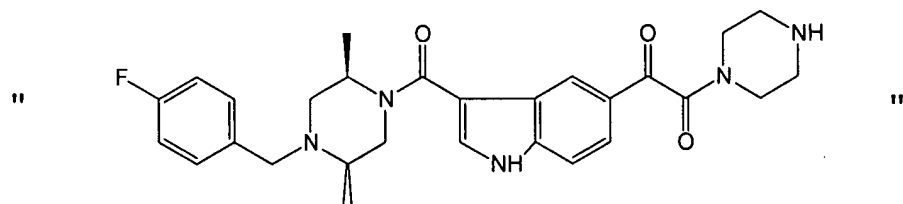
At Column 64, lines 31-35, second compound:



At Column 64, lines 50-54, fifth compound:



At Column 67, lines 15-20, third compound:



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The errors were not in the application as filed by applicants; accordingly no fee is required.

Transmitted herewith is a proposed Certificate of Correction effecting such amendment.

Also enclosed for your convenience is a marked-up copy of the pages of Patent No. 6,821,966 showing the requested corrections. Patentee respectfully solicits the granting of the requested Certificate of Correction.

Dated: October 11, 2006

Respectfully submitted,

By Kate H. Murashige

Kate H. Murashige

Registration No.: 29,959

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UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page 1 of 7

PATENT NO. : 6,821,966
 APPLICATION NO. : 09/990,187
 ISSUE DATE : November 23, 2004
 INVENTOR(S) : Sundeep DUGAR et al.

It is certified that errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

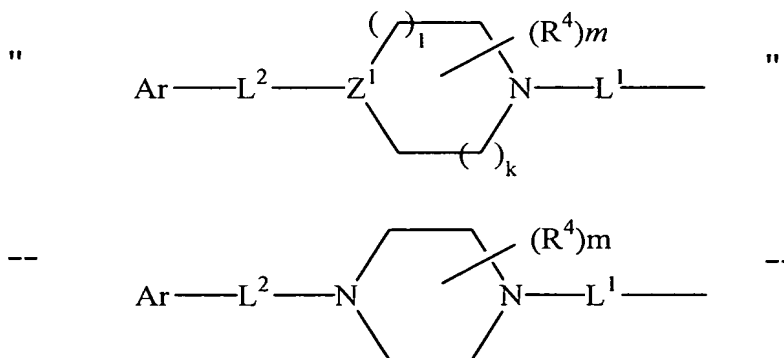
In the Claims:

In Claim 1, please make the following corrections:

At column 62, line 4:

alkyl-CONR₂, or "R³Si" --R₃Si--,

At column 62, line 10:



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UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

Page 2 of 7

PATENT NO. : 6,821,966
APPLICATION NO. : 09/990,187
ISSUE DATE : November 23, 2004
INVENTOR(S) : Sundeeep DUGAR et al.

At column 62, line 22:

... CF₃, --R₃Si-- and ...

At column 62, line 42:

... SO₂, --H-- or ...

At column 62, line 43:

... alkenylene "(1-4AC)" --(1-4C)-- optionally

At column 62, line 50:

... "CF₃Si" --CF₃, R₃Si--, and

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**UNITED STATES PATENT AND TRADEMARK OFFICE
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Page 3 of 7

PATENT NO. : 6,821,966
APPLICATION NO. : 09/990,187
ISSUE DATE : November 23, 2004
INVENTOR(S) : Sundeeep DUGAR et al.

In Claim 2, please make the following corrections:

At column 62, line 65:

COR, or "R³Si" --R₃Si-- wherein ...

At Column 63, line 10:

OCONR₂, or "R³Si" --R₃Si-- wherein ...

In Claim 8, please make the following correction:

At Column 63, line 29:

... alkyl-CONR₂, or "R³Si" --R₃Si-- wherein

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UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

Page 4 of 7

PATENT NO. : 6,821,966
APPLICATION NO. : 09/990,187
ISSUE DATE : November 23, 2004
INVENTOR(S) : Sundeeep DUGAR et al.

In Claim 22, please make the following correction:

At Column 63, line 57:

... at the "3-position" --**5-position**--.

In Claim 23, please make the following correction:

At Column 63, line 59:

CA or "CHA" --**CH¹A**--.

In Claim 25, please make the following correction:

At Column 63, line 67:

COOR, "alkyl-COR" --**alkyl-OOR**--, SO₃R, ...

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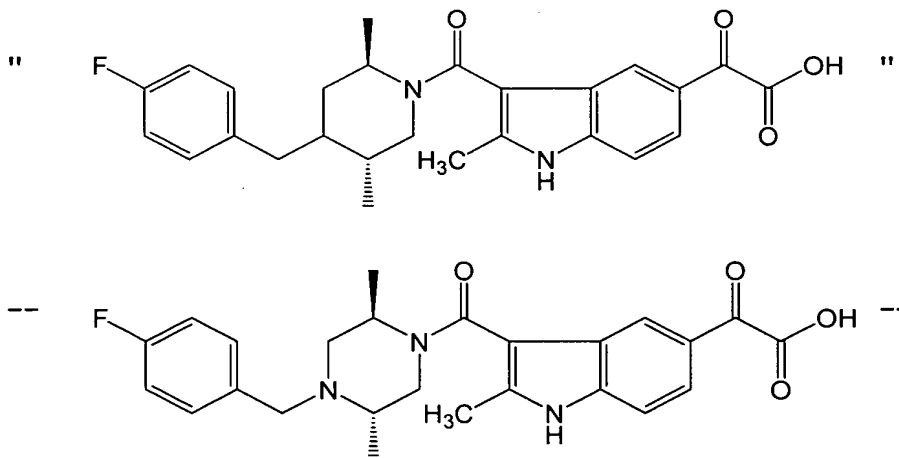
UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

Page 5 of 7

PATENT NO. : 6,821,966
APPLICATION NO. : 09/990,187
ISSUE DATE : November 23, 2004
INVENTOR(S) : Sundeep DUGAR et al.

In Claim 30, please make the following corrections:

At Column 64, lines 31-35, second compound:



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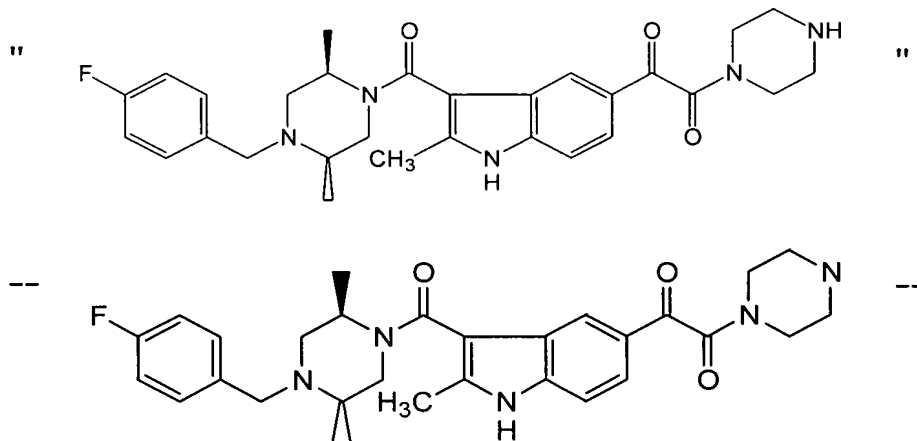
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CERTIFICATE OF CORRECTION

Page 6 of 7

PATENT NO. : 6,821,966
APPLICATION NO. : 09/990,187
ISSUE DATE : November 23, 2004
INVENTOR(S) : Sundeep DUGAR et al.

At Column 64, lines 50-54, fifth compound:



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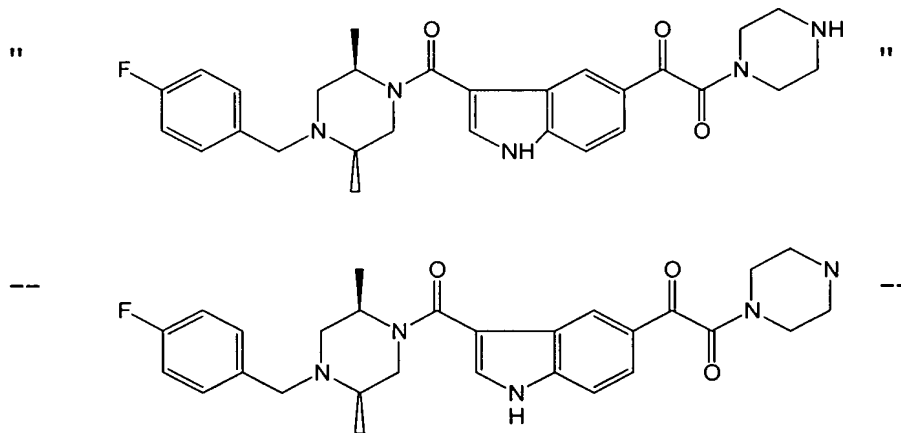
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UNITED STATES PATENT AND TRADEMARK OFFICE
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Page 7 of 7

PATENT NO. : 6,821,966
APPLICATION NO. : 09/990,187
ISSUE DATE : November 23, 2004
INVENTOR(S) : Sundeep DUGAR et al.

At Column 67, lines 15-20, third compound:



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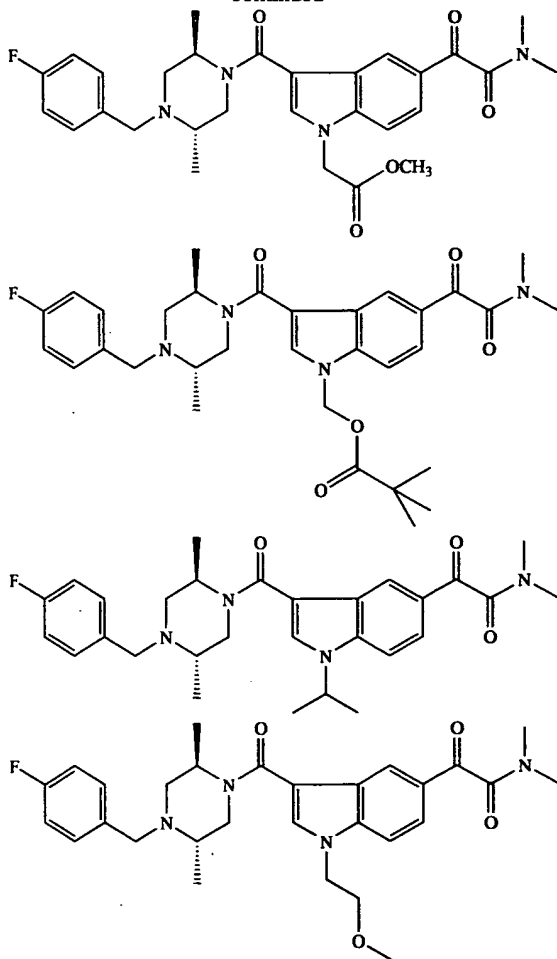
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SO_2R , RCO , COOR , alkyl-COR, SO_3R , CONR_2 , SO_2NR_2 , CN , CF_3 , NR_2 , OR, alkyl-SR, alkyl-SOR, alkyl- SO_2R , alkyl-OCOR, alkyl-COOR, alkyl-CN, alkyl- CONR_2 , or R_3Si , wherein each R is independently H, alkyl, alkenyl or aryl; one Z^2 is CA or CR^8A and the other is CR^1 , CR^1_2 , NR^6 or N wherein each R^1 , R^6 and R^8 is independently hydrogen or a C_{1-4} alkyl; wherein A is:



Ar is an aryl optionally substituted with 0-5 substituents selected from the group consisting of alkyl, alkenyl, alkynyl, aryl, arylalkyl, acyl, aroyl, heteroaryl, heteroalkyl, heteroalkenyl, heteroalkynyl, heteroalkylaryl, NH-aroyl, halo, OR, NR_2 , SR, SOR, SO_2R , OCOR, NRCOR, NRCONR₂, NRCOOR, OCONR₂, RCO, COOR, alkyl-OOR, SO_3R , CONR_2 , SO_2NR_2 , NRSO_2NR_2 , CN, CF_3 , and NO_2 , wherein each R is independently H, alkyl, alkenyl or aryl or heteroforms thereof, and wherein two of said optional substituents on adjacent positions can be joined to form a fused, optionally substituted aromatic or nonaromatic, saturated or unsaturated ring which contains 3-8 members;

each R^4 is independently selected from the group consisting of alkyl, alkenyl, alkynyl, aryl, arylalkyl, acyl, aroyl, heteroaryl, heteroalkyl, heteroalkenyl, heteroalkynyl, heteroalkylaryl, NH-aroyl, halo, OR, NR_2 , SR, SOR, SO_2R , OCOR, NRCOR, NRCONR₂, NRCOOR, OCONR₂, RCO, COOR, alkyl-OOR, SO_3R , CONR_2 , SO_2NR_2 , NRSO_2NR_2 , CN, CF_3 , R_3Si , and NO_2 , wherein each R is independently H, alkyl, alkenyl or aryl or heteroforms thereof and two of R^4 on adjacent positions can be joined to form a fused, optionally substituted aromatic or nonaromatic, saturated or unsaturated ring which contains 3-8 members, or R^4 is $=\text{O}$ or an oxime, oxime ether, oxime ester or ketal thereof, where m is 0-4;

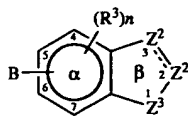
L^1 is CO, SO_2 , or CH_2 ; and

L^2 is alkylene (1-4C) or alkenylene (1-4C) optionally substituted with a moiety selected from the group consisting of alkyl, alkenyl, alkynyl, aryl, arylalkyl, acyl, aroyl, heteroaryl, heteroalkyl, heteroalkenyl, heteroalkynyl, heteroalkylaryl, NH-aroyl, halo, OR, NR_2 , SR, SOR, SO_2R , OCOR, NRCOR, NRCONR₂, NRCOOR, OCONR₂, RCO, COOR, alkyl-OOR, SO_3R , CONR_2 , SO_2NR_2 , NRSO_2NR_2 , CN, CF_3 , and NO_2 , wherein each R is independently H, alkyl, alkenyl or aryl or heteroforms thereof, and wherein two substituents on L^2 can be joined to form a non-aromatic saturated or unsaturated ring that includes 0-3 heteroatoms which are O, S and/or N and which contains 3 to 8 members or said two substituents can be joined to form a carbonyl moiety or an oxime, oxime ether, oxime ester or ketal of said carbonyl moiety.

2. The compound of claim 1 wherein B is $-\text{COXjCOR}^2$, and wherein R^2 is H, or is straight or branched chain alkyl, alkenyl, alkynyl, aryl, arylalkyl, heteroalkyl, heteroaryl, or heteroarylalkyl, each optionally substituted with halo, alkyl, heteroalkyl, SR, OR, NR_2 , OCOR, NRCOR, NRCONR₂, NRSO_2R , NRSO_2NR_2 , OCONR₂, CN, COOR, CONR_2 , COR, or R_3Si wherein each R is independently H, alkyl, alkenyl or aryl or the heteroatom-containing forms thereof, or

What is claimed is:

1. A compound of the formula:



and the pharmaceutically acceptable salts thereof, or a pharmaceutical composition thereof, wherein

\ represents a single or double bond;

B is $-\text{W}_i-\text{COX}_j\text{Y}$ wherein Y is COR^2 or an isostere thereof and R^2 is hydrogen, or is straight or branched chain alkyl, alkenyl, alkynyl, aryl, arylalkyl, heteroaryl, or heteroarylalkyl, each optionally substituted with halo, alkyl, SR, OR, NR_2 , OCOR, NRCOR, NRCONR₂, NRSO_2R , NRSO_2NR_2 , OCONR₂, CN, COOR, CONR_2 , COR, or R_3Si wherein each R is independently H, alkyl, alkenyl or aryl, each of W and X is a substituted or unsubstituted alkylene, alkenylene or alkynylene, and each of i and j is independently 0 or 1;

each R^3 is independently halo, alkyl, OCOR, OR, NRCOR, SR, or NR_2 , wherein R is H, alkyl or aryl, where n is 0-3;

Z^3 is NR^7 or O; wherein R^7 is H or R^7 is H, alkyl, alkenyl, alkynyl, aryl, arylalkyl, acyl, aroyl, heteroaryl, SOR,

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wherein R^2 is OR, NR_2 , SR, $NRCOR_2$, $OCONR_2$, or $NRSO_2NR_2$, wherein each R is independently H, alkyl, alkenyl or aryl or the heteroatom-containing forms thereof, and wherein two R attached to the same atom may form a 3-8 member ring and wherein said ring may further be substituted by alkyl, alkenyl, alkynyl, aryl, arylalkyl, heteroalkyl, heteroaryl, heteroarylalkyl, each optionally substituted with halo, SR, OR, NR_2 , $OCOR$, $NRCOR$, $NRCOR_2$, $NRSO_2R$, $NRSO_2NR_2$, $OCONR_2$, or R^3Si wherein each R is independently H, alkyl, alkenyl or aryl or the heteroatom-containing forms thereof wherein two R attached to the same atom may form a 3-8 member ring, optionally substituted as above defined; and

X, if present, is alkylene.

3. The compound of claim 1 wherein Y is an isostere of COR^2 .

4. The compound of claim 3 wherein Y is tetrazole; 1,2,3-triazole; 1,2,4-triazole; or imidazole.

5. The compound of claim 1 wherein each of i and j is 0.

6. The compound of claim 2 wherein j is 0.

7. The compound of claim 1 wherein Z^3 is NR^7 .

8. The compound of claim 7 wherein R^7 is H or is optionally substituted alkyl, alkenyl, alkynyl, aryl, arylalkyl, acyl, aroyl, heteroaryl, heteroalkyl, heteroalkenyl, heteroalkynyl, heteroalkylaryl, or is SOR , SO_2R , RCO , $COOR$, alkyl-COR, SO_3R , $CONR_2$, SO_2NR_2 , CN, CF_3 , NR_2 , OR, alkyl-SR, alkyl-SOR, alkyl- SO_2R , alkyl- $OCOR$, alkyl- $COOR$, alkyl-CN, alkyl- $CONR_2$, or R^3Si wherein each R is independently H, alkyl, alkenyl or aryl or heteroforms thereof.

9. The compound of claim 8 wherein R^7 is H, or is optionally substituted alkyl, or acyl.

10. The compound of claim 1 wherein L^1 is CO.

11. The compound of claim 1 wherein L^2 is unsubstituted alkylene.

12. The compound of claim 1 wherein L^2 is unsubstituted methylene, methylene substituted with alkyl, or $-CH=$.

13. The compound of claim 1 wherein Ar is optionally substituted phenyl.

14. The compound of claim 13 wherein said optional substitution is by halo, OR, or alkyl.

15. The compound of claim 14 wherein said phenyl is unsubstituted or has a single substituent.

16. The compound of claim 1 wherein each R^4 is halo, OR, or alkyl.

17. The compound of claim 16 wherein m is 0, 1, or 2.

18. The compound of claim 17 wherein m is 2 and both R^4 are alkyl.

19. The compound of claim 1 wherein each R^3 is halo, alkyl, heteroalkyl, $OCOR$, OR, $NRCOR$, SR, or NR_2 , wherein R is H, alkyl, aryl, or heteroforms thereof.

20. The compound of claim 16 wherein R^3 is halo or alkoxy.

21. The compound of claim 20 wherein n is 0, 1 or 2.

22. The compound of claim 1 wherein L^1 is coupled to the β ring at the 3 position.

23. The compound of claim 1 wherein Z^2 at position 3 is CA or CHA.

24. The compound of claim 23 wherein the Z^2 at position 2 is CR^1 or CR^1_2 .

25. The compound of claim 24 wherein R^1 is hydrogen, or is alkyl, alkenyl, alkynyl, aryl, arylalkyl, acyl, aroyl, heteroaryl, heteroalkyl, heteroalkenyl, heteroalkynyl, heteroalkylaryl, NH-aroyl, halo, OR, NR_2 , SR, SOR , SO_2R , $OCOR$, $NRCOR$, $NRCOR_2$, $NRCOOR$, $OCONR_2$, RCO , $COOR$, alkyl-COR, SO_3R , $CONR_2$, SO_2NR_2 , $NRSO_2NR_2$,

64

CN, CF_3 , R_3Si , and NO_2 , wherein each R is independently H, alkyl, alkenyl or aryl or heteroforms thereof and two of R^1 can be joined to form a fused, optionally substituted aromatic or nonaromatic, saturated or unsaturated ring which contains 3-8 members.

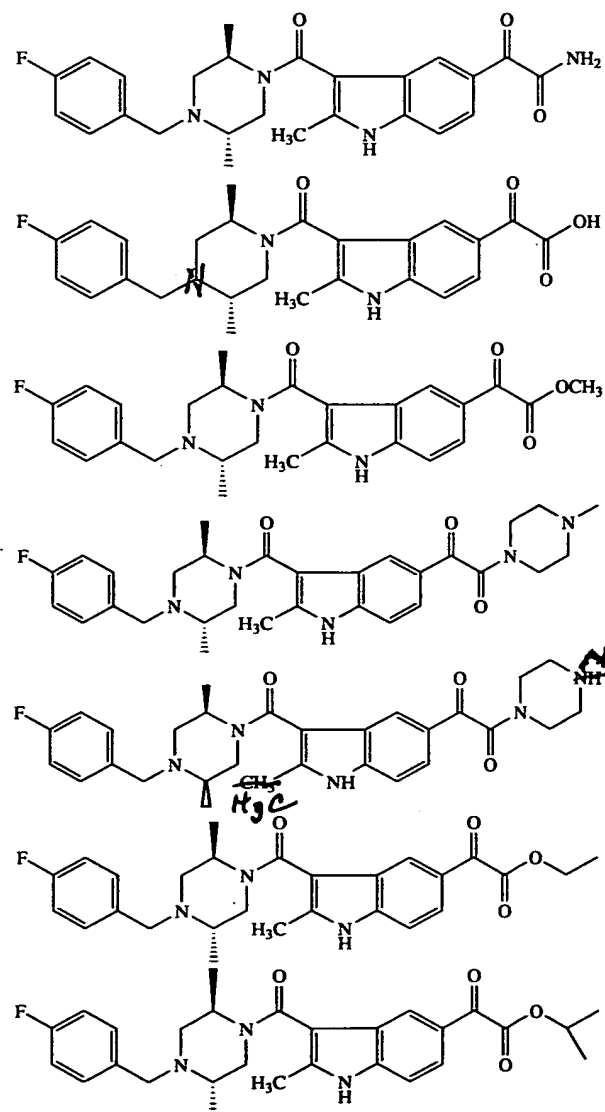
26. The compound of claim 25 wherein each R^1 is selected from the group consisting of H, alkyl, acyl, aryl, arylalkyl, heteroalkyl, heteroaryl, halo, OR, NR_2 , SR, $NRCOR$, alkyl- $OCOR$, RCO , $COOR$, and CN, wherein each R is independently H, alkyl, or aryl or heteroforms thereof.

27. The compound of claim 23 wherein Z^2 at position 2 is N or NR^6 .

28. The compound of claim 27 wherein R^6 is H, or alkyl, alkenyl, alkynyl, aryl, arylalkyl, acyl, aroyl, heteroaryl, heteroalkyl, heteroalkenyl, heteroalkynyl, heteroalkylaryl, or is SOR , SO_2R , RCO , $COOR$, alkyl-COR, SO_3R , $CONR_2$, SO_2NR_2 , CN, CF_3 , or R_3Si wherein each R is independently H, alkyl, alkenyl or aryl or heteroforms thereof.

29. The compound of claim 1 wherein \backslash represents a double bond.

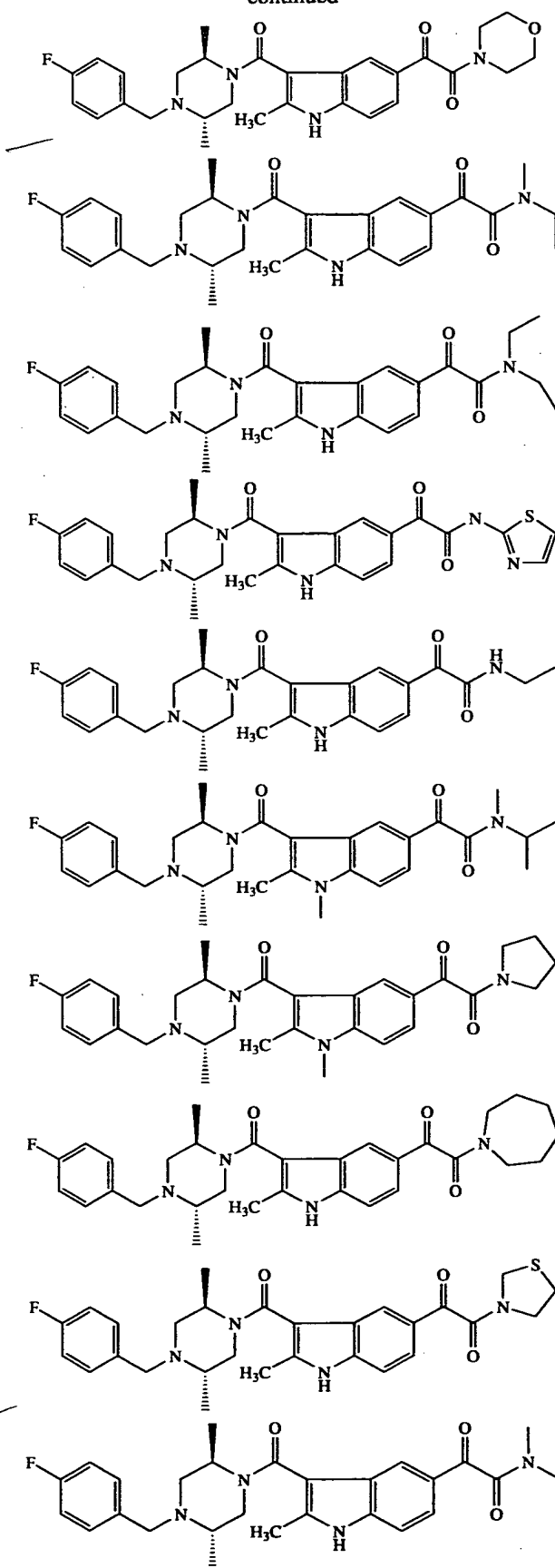
30. The compound of claim 1 wherein the compound of formula (1) is selected from the group consisting of:



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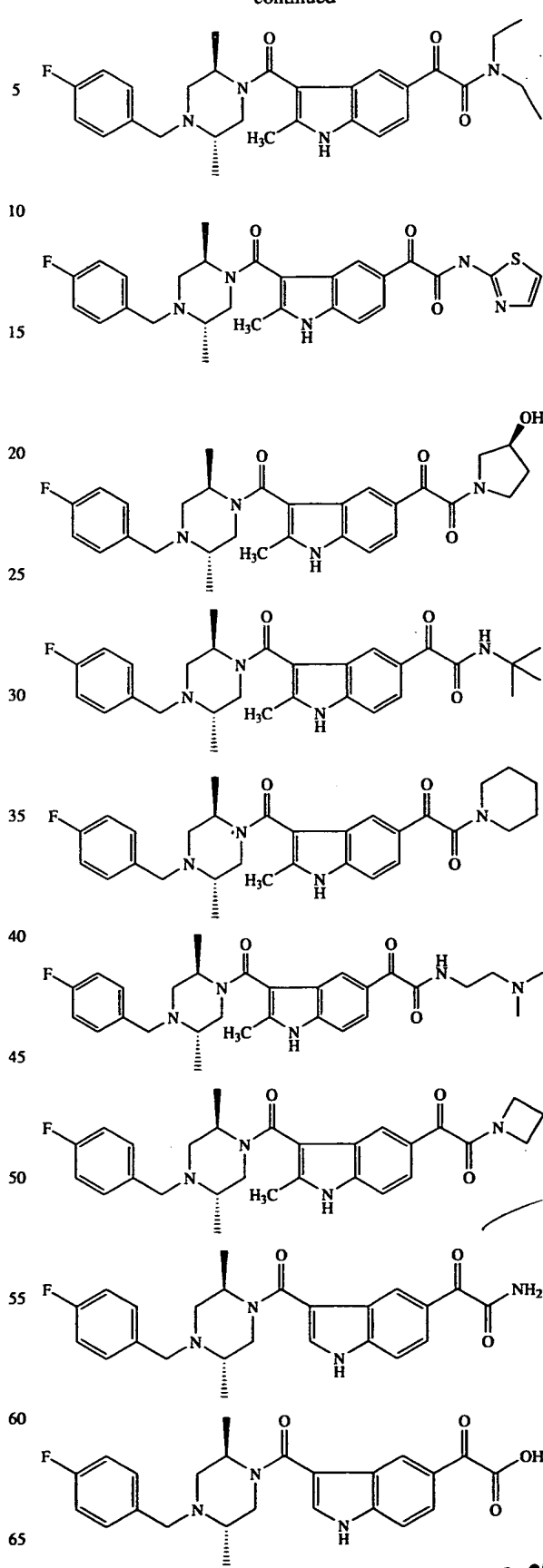
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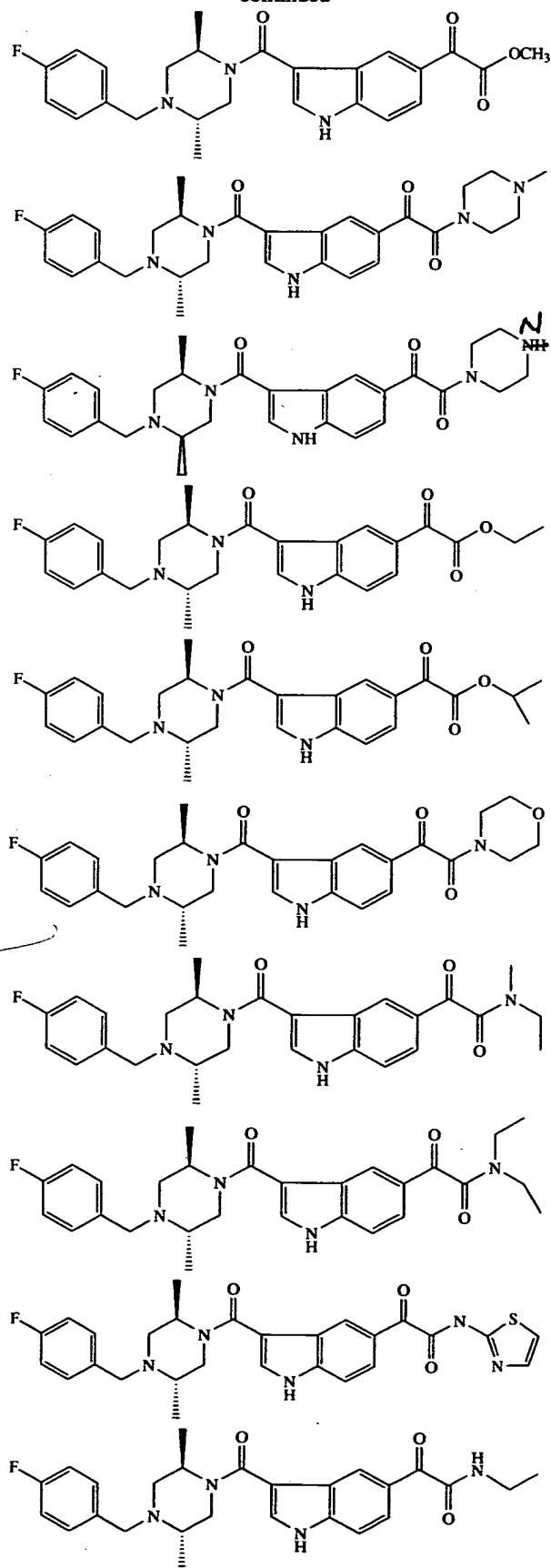
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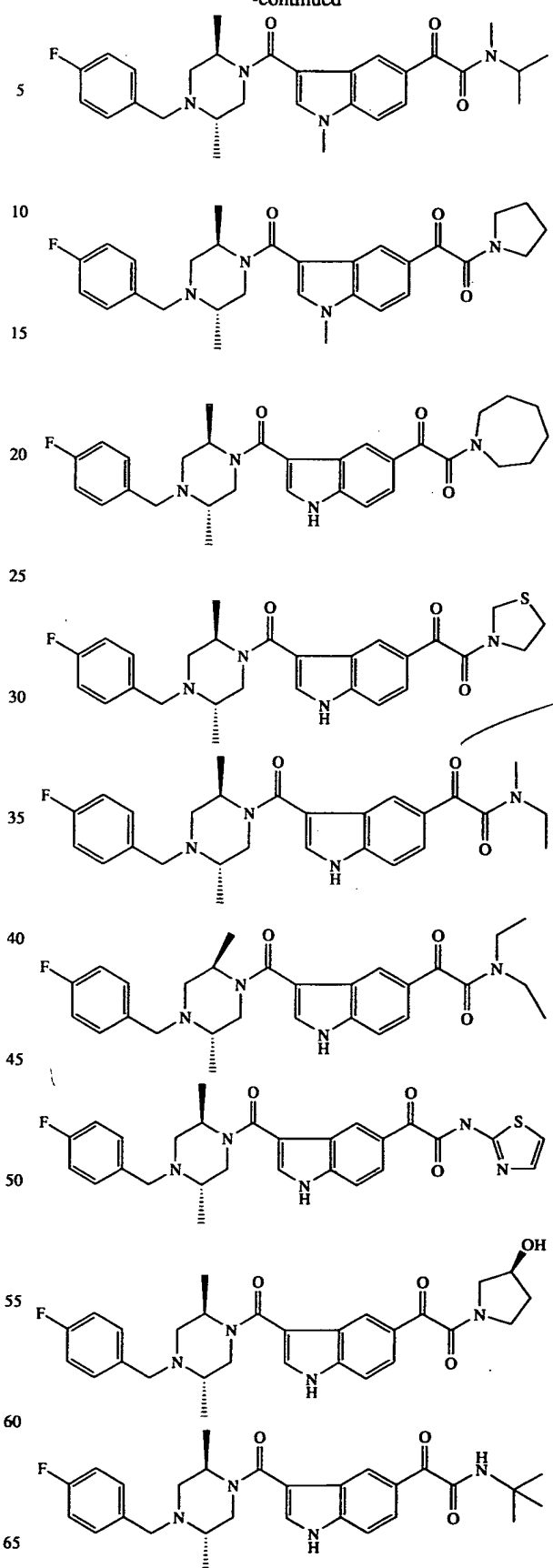
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